

## 17.2: Experimental Protocol and Tables (Prelab)

The prelab must include **Experimental Protocol, Chemical Table and Equipment Table**.

The lab report requires all sections (including prelab sections) to be completed in one document.

### Experimental Protocol

(Analysis) Watch the experiment videos. Take notes on the protocol. Stop the video and re-watch as necessary to acquire the details of the procedure. Write out the protocol for each part of the experiment. (It can be written in sequential steps. Complete sentences are not necessary.) This is the protocol you will follow, so be detailed.

### Chemical Table

(Representation) Prepare your chemical table including the materials you will use in the experiment. Here is a general template that you may use.

| Chemical Name          | Chemical Formula | Molar Mass (g/mol) | Hazards                | reference   | PPE |
|------------------------|------------------|--------------------|------------------------|---|-----|
| <b>Sodium Chloride</b> | <b>NaCl</b>      | <b>58.5</b>        | <b>Skin irritation</b> | <a href="https://fscimage.fishersci.com/msds/21105.htm">https://fscimage.fishersci.com/msds/21105.htm</a> |     |
|                        |                  |                    |                        |   |     |
|                        |                  |                    |                        |   |     |
|                        |                  |                    |                        |   |     |
|                        |                  |                    |                        |   |     |

### Equipment Table

(Analysis) Identify the equipment (type AND size) needed for the experiment and include the name and an image of each. Be sure to describe the equipment, how to use it, and why it is suitable for this use.

| Equipment Name | Equipment Picture | Intended Purpose |
|----------------|-------------------|------------------|
|                |                   |                  |
|                |                   |                  |
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|                |                   |                  |

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